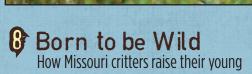


## ON THE COVER





Backyard Buffet
Bugs – they're what's for dinner.

#### DEPARTMENTS

- 1 Photos With Nop & Dave
- You Discover
- What is it?
- 5 Yuck!
- Strange But True
- Wild Jobs
- My Outdoor Adventure
- 16 Xplor More



ON THE WEB

Visit www.xplormo.org for cool videos, sounds, photos, fun facts and more!



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We recycle. You can, too! Share Xplor with friends.



Raindrop Magic photo by Dave Stonner

ain came down. The St. Francis River rose, and so did the water in photographer Dave Stonner's boots. His rain jacket was soaked through. "It's like standing in the shower," he thought as he hiked through the mud at Millstream Gardens Conservation Area. But for Dave, the sound of rain trickling through the leaves as the fog rolled in was just part of the adventure.

"Rain makes the outdoors magical," says Dave. Dust on the leaves is washed away, making colors brighter. Harsh shadows disappear. Rocks glisten in the soft light. He wanted to take advantage of that magic to show the beauty of Tiemann Shutins. Shut-ins are areas in streams where rocks restrict the flow of the water, creating small waterfalls.

When Dave reached the shutins, the rain stopped. He used a slow shutter speed, which keeps the camera lens open longer. This technique makes the water look as if it is flowing.

You, too, can hike and take photos at conservation areas—rain or shine. Millstream Gardens is near Fredericktown in southeast Missouri. To find an area near you, go to www.mdc.mo.gov/atlas.

A ith fish to catch, turkeys to hunt and mushrooms to find, sometimes it's hard to decide what to do in April and May. To help, here's a list of Missouri's best outdoor activities for you to discover.

#### Catch some crappie.

Crappie (CROP-ee) taste yummy. It's easy to catch a stringerful in the spring. Just flip a small jig or minnow-baited hook out from shore. If the water is clear, send your lure sailing to deeper water. If the water is murky, fish the shallows. When you hook a crappie, keep fishing the same spot and you'll likely land more. For fishing rules and more crappie-catching advice, visit www.mdc.mo.gov/18364.

### Forget fluffy chicks. Hatch frogs instead.

Watching chicks hatch is quite a sight. But find a few frog eggs, and you'll get twice the show. You can watch these amphibian magicians change from gooey eggs to squiggly tadpoles to hopping frogs. This process, called metamorphosis, can take from eight weeks to more than a year, depending on the kind of frog. To follow the law, never collect more than five frog eggs from the wild, and don't remove eggs from public places such as conservation areas and state parks. Tips for keeping your little hoppers happy can be found at

Leopard frog

www.xplormo.org/node/3465.

Life cycle of a leopard frog

#### Let's talk turkey.

Nothing makes your pulse pound faster than watching a big gobbler fan out and strut into shooting range. But even if you don't bag a bird, sitting out in the turkey woods in spring is fun. You'll hear owls hoot, see raccoons scurry back to their dens, and maybe—if you're lucky—run across a few morel mushrooms. Youth turkey season runs April 10-11. The regular season is from April 19 to May 9. For details, visit www.mdc.mo.gov/7498.

#### Lure moths.

You can see moths from spring through fall, but late May is when the big ones come out. With huge wings, bright colors and velvety bodies, giant silk moths are flutterly fascinating! Summon a few to your backyard by hanging up a white sheet and lighting a lantern behind it. You'll have to stay up late to see these moths. Most don't come out until after midnight. For help identifying what comes calling, visit www.xplormo.org/node/3466.

#### Find some fungi.

There's a fungus among us and, boy, does it taste good. In mid-April, mouthwatering morel mushrooms begin popping up on forest floors throughout Missouri. Searching for them is Mother Nature's version of an Easter egg hunt. A word of warning, though: Make sure it's morels that you pick. If you eat the wrong mushroom, you'll get sick. To avoid the emergency room, check out www.xplormo.org/node/3467.

### CAMP OUT.

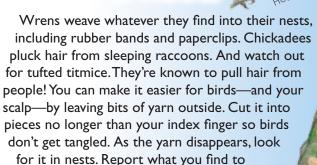
Who can resist roasting marshmallows over a campfire, telling ghost stories by flashlight, or sleeping under a blanket of twinkling stars? Whether you pitch a tent

in your backyard or backpack the Ozark Trail, spring's mild weather is the perfect time to live outside for a few days. For tips to make your camp-out comfortable, visit www.xplormo. org/node/3468.



Trees offer cool shade in summer, pretty leaves in fall and homes for animals all year. On April 2, celebrate Arbor Day by planting a tree. It takes time for an itty-bitty seedling to grow into a towering tree, but it's worth the wait. Someday, when you return to find your tree stretching its leafy branches into the sky, you'll be able to tell your kids, "I planted that." For tree-planting tips, visit www.xplormo.org/node/3469.

### Help a bird build a nest.



www.nestwatch.org.

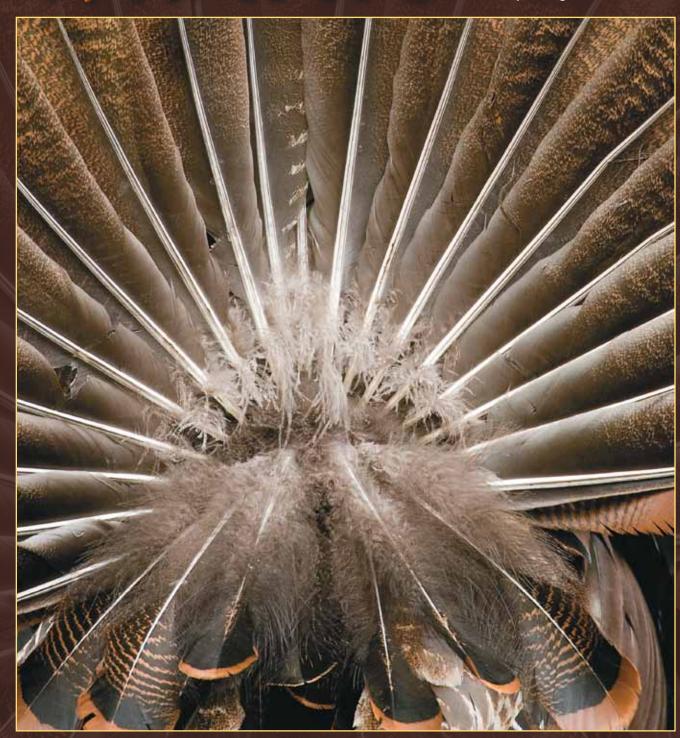




# WHAT IS 7

**DON'T KNOW?** 

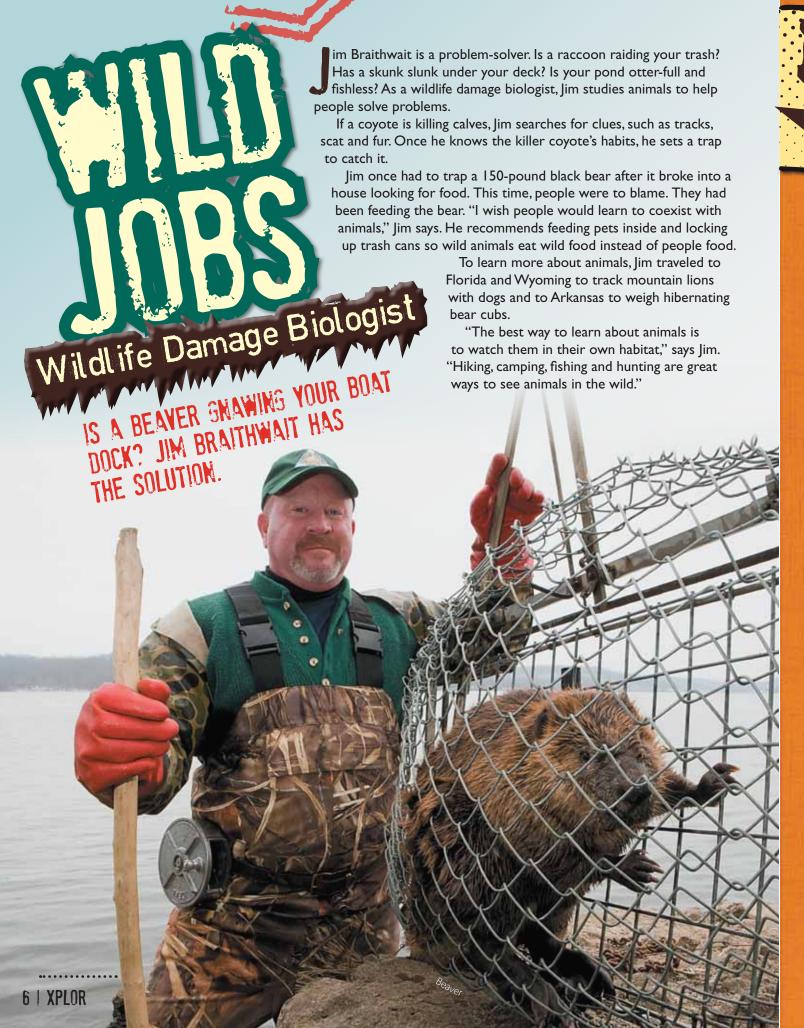
Jump to Page 16 to find out.



Some people call me Tom.
I wear a beard but not for disguise.

I often gobble but never when eating. Strut around if you know the answer.







For more on turkey hunting, visit www.xplormo.org/node/3464.



best for their babies. They give them a home and yummy things to eat. They keep them away from danger, and some show their young how to care for themselves. Read on to see how eight Missouri wild critters raise their babies.

Worms, anyone?

Finding worms to feed their babies keeps mom

and dad robin busy. For the first few days after

hatching, the blind, featherless nestlings can't

eat solid food, so the parents gulp a worm,

regurgitate it and feed their babies what

comes up. As the young grow, they first

eat small worm pieces, then the whole wiggly creature. After the babes have a

full coat of feathers, the parents bring less food. Hunger makes the young

robins eager to leap out of the nest and follow their parents. Unable

to fly right away, the fledglings spend several days on the

ground while mom and dad

bring snacks and watch for danger. If a cat or other

make a lot of noise and

carnivorous critter approaches, the parents

fly away from the

the predator.

fledglings to distract

Shake, frattle and Sither

Before her young are born, a mother timber rattler looks for a safe nursery in a hollow log or tree stump with the right amount of sun to keep the family warm. There, she gives birth to 10-inchlong babies. If danger approaches, she wraps herself around her young and shakes her rattles, letting the predator know that she is armed with venom and ready to use it. When the small snakes are about 2 weeks old, they outgrow their skin and shed it for the first time. After each shed, a new rattle appears. Armed with their first rattle, the young go off on their own.



imber rattlesnakes are born in late August or Septembe

Bones "A" Us

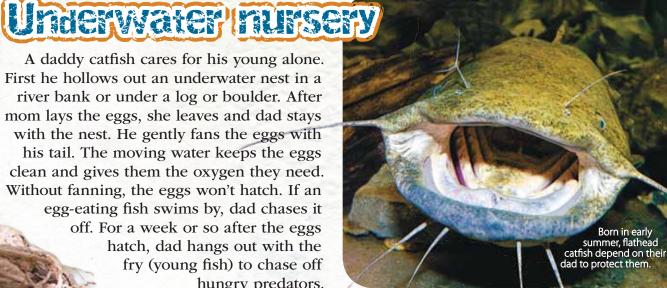
Raising a litter of frisky fox pups takes two. The dad brings food to the mom for the first week after the pups are born. Then the mom hunts at night, and the dad goes out during the day. As they grow, fox pups play with each other and with bones left over from past meals. If the family moves to another den, the parents take the pups' playthings with them. Hunting lessons begin when the pups are 7 weeks old. The parents show them how to stalk and pounce on rabbits and mice. When they're about 5 months old, the pups are ready to go out on their own.



Red fox pups are born in March or April.

A daddy catfish cares for his young alone. First he hollows out an underwater nest in a river bank or under a log or boulder. After mom lays the eggs, she leaves and dad stays with the nest. He gently fans the eggs with his tail. The moving water keeps the eggs clean and gives them the oxygen they need. Without fanning, the eggs won't hatch. If an egg-eating fish swims by, dad chases it

off. For a week or so after the eggs hatch, dad hangs out with the fry (young fish) to chase off hungry predators.



Opossum babies are born from late February through 14

Along for the lide

A mother opossum is a traveling nursery. She carries her tiny babies in a special pouch on her belly, where they stay for more than two months. She can open her pouch to let the babes sun on nice days. If she has to swim across a stream, she closes her pouch tight to keep her little ones dry. After the babies get too big for all of them to fit in the pouch, they take turns hitching a ride on mom's back.

#### Protect WILD babies!

Wild parents watch their children until they are old enough to care for themselves. You, too, can protect animal babies. Here's how:

- Keep an eye on family pets. If you see a mother bird squawking at a cat or dog, the pet is probably getting too close to a fledgling. Take the pet indoors so the parents can continue to feed their young.
- Tell friends to leave wild babies alone. If you see someone with a baby bird, newborn rabbit or a small fawn, help them take the animal back to where it was found. The parents will be looking for their baby and may not come back until you go away.
- Help your parents check for nests before trimming bushes. Wait until birds fledge before cutting brush.

Baby animals are sometimes easy to catch, but it's better for the babes if you sit close by and quietly watch the parents care for them. How many baby animals can you find in your backyard this spring and summer?



White-tailed deer fawns hang out with their mom for more than a year. When first born, fawns can stand but can't run. So, while mom forages for food, her babies lie low in tall grass or brush. Their lack of scent and spotted brown coat make it difficult for predators to find them in their hiding place. Mom stays within earshot and nurses them when they are hungry. When the fawns are about a month old, they follow their mom as she looks for tasty twigs and tender plants to munch. They stay with her until spring when she gives birth again.



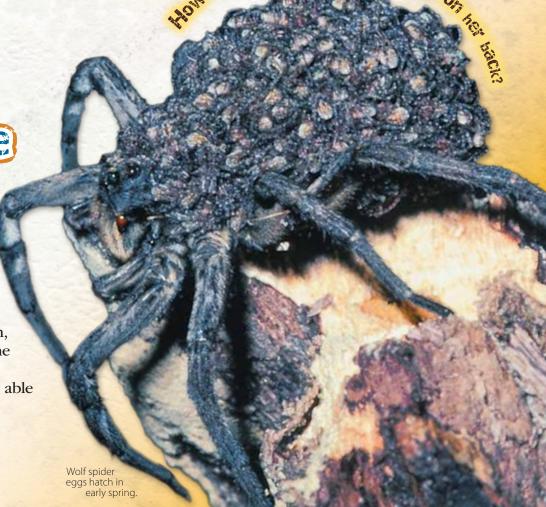
Killdeer hatch in April through July

Killdeer babies peck out of their eggs with coats of wet, downy feathers and eyes wide open. After their feathers dry, the fuzzy chicks are on the move. They leave their nest that is on the ground and follow their parents to grassy areas to catch their own dinner—a beakful of juicy insects. The chicks learn to fly when they are about 3 weeks old, but stay with their parents all summer. If a hungry coyote approaches, the mom or dad killdeer runs away from the chicks and pretends to have a broken wing. The predator follows the "injured" bird hoping to score an easy meal. When the coyote has been led far enough away from the chicks, the parent flies off to safety, loudly calling kill-dee.

Piggyback Spider Style

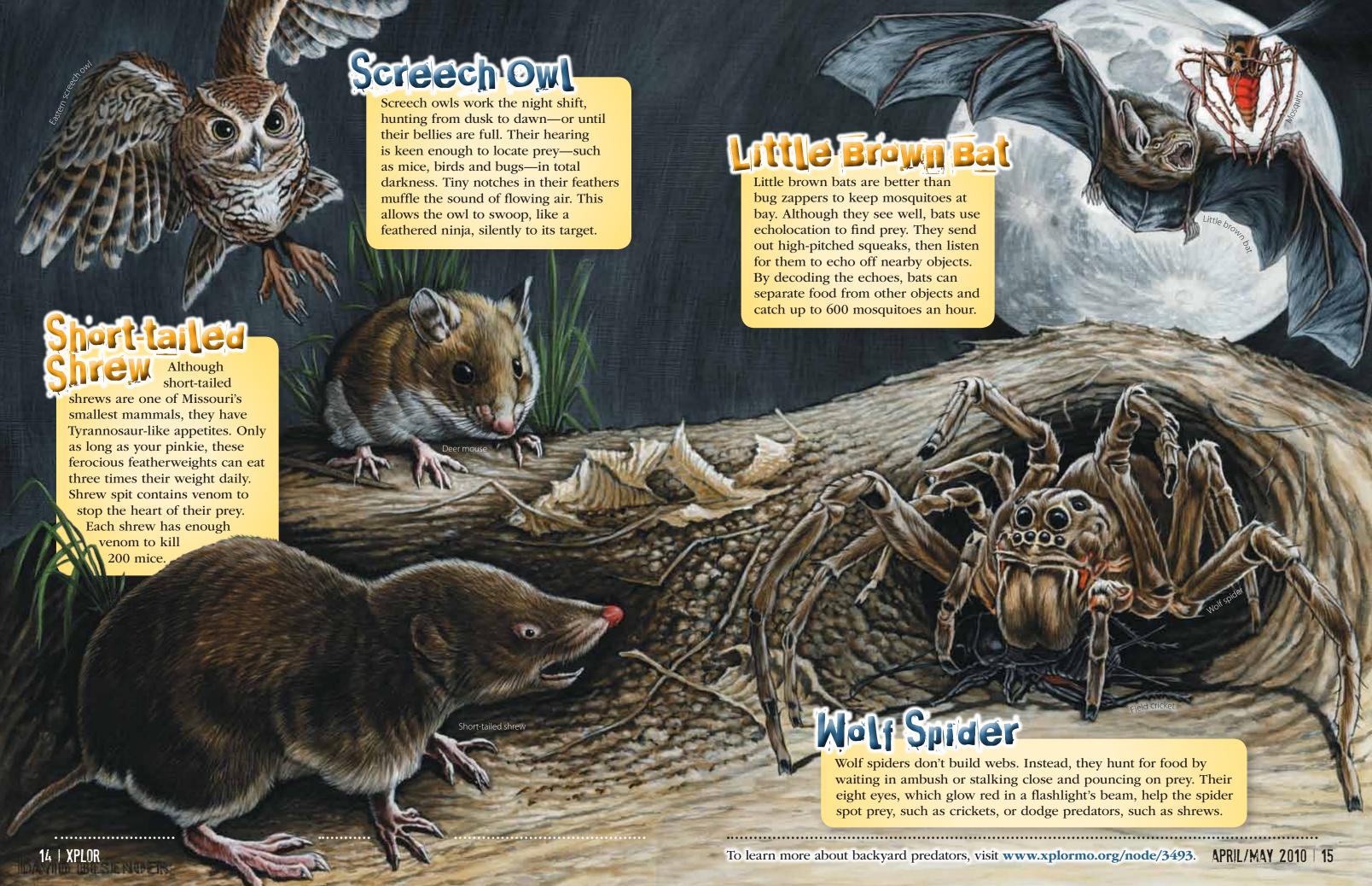
Wolf spider moms carry their offspring around, too. First the mother spins a silken sac around her eggs. She carries the sac with her as she stalks and catches insects to eat. When the spiderlings hatch, they climb on her back. She gives them a free ride for several weeks until they're able to hunt by themselves.

White-tailed deer photo by Noppadol Paothon



APRIL/MAY 2010 | 1'







**American crows** 

line their nests with green pine needles and brown bark to camouflage their eggs

American robins

nest in the fork of a tree where their bright eggs blend in with the sun-dappled leaves.

> Ruby-throated hummingbirds

are only as long as your pinkie and can fit just two eggs in their tiny nests.

**Gray catbirds** nest in dense thickets where their turquoise eggs seem to vanish in the leafy darkness.

Killdeer scratch out shallow nests in dirt, sand or gravel and lay camouflaged eggs that won't roll away

Canada geese lay eggs that match their large size. Since the eggs are slender, up to eight can fit in a single nest.

where their eggs can't

**Eastern screech owls** nest in cavities roll away.

#### DON'T MISS ANOTHER ISSUE!

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FREE TO MISSOURI HOUSEHOLDS



Feed me! A baby barn swallow opens wide to tell its parents it's hungry. Born naked and helpless, nestlings eat lots of insects to grow. How many bugs can a nest of swallows swallow? Parents feed their babies up to 400 times a day.